

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Expedition: 338 Observer: KUM

Site: C0002 Hole: H Core: 1 Sect.: 1 Interval: 45

Sediment Name: Silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Volcaniclastic	Peragic	Sand	Silt	Clay
✓				✓				2	28	70

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition
27	Quartz	20	Calcareous Grain			1	Gypsiferous Grain		
	Feldspars		Nannofossils				Calcareous Grain		
	Micas		Foraminifers				Sapropelic Grain		
	Ferromagnesian Minerals		Siliceous Grain			2	Mn Nodules/ Crusts		
	Glauconite		Diatom				Pyrite Grain <i>crystal</i>		
50	Clay Minerals		Radiolarians				Opaque Grain		
	Zeolites		Silicoflagellates						
	Heavy Minerals		Sponge Spicules						
	Pyrite								
	Phospholite								
	Aragonite		Neritic Grain						
	Calcite		Ooid						
	Oolites		Spherical Particles						
	Lithic Grain		Elliptical Particles						
	Sedimentary Lithic Grain		Bioclast						
	Igneous Lithic Grain		Molluscan						
	Metamorphic Lithic Grain		Algal						
			Pellet						
	Volcaniclastic Grain		Molluscs						
	Scoria / Pumice		Echinoderms						
	Scoria		Others						
	Pumice		Intraclast						
	Volcaniclastic Lithic Grain		Carbonate Rock Frag.						
	Pieritic Lithic Grain		Peloid						
	Basaltic Lithic Grain		Pisolite						
	Andesitic Lithic Grain		Calcareous Grain						
	Dacitic Lithic Grain		Dolomitic Grain						
	Rholitic Lithic Grain		Araginitic Grain						
	Crystal Grain		Sideritic Grain						
	Vitric Grain								

Fill percentage (Total must be 100).

Remarks: well-preserved nannos; include discoasters

Sediment Smear Slide / Thin Section Description Sheet

Date 12/10/12

Expedition: 338 Observer: KCM

Site: 0002 Hole: H Core: 1R Sect.: / Interval: 48

Sediment Name: silty sandstone

Smear Slide	Thin Section	Coarse Feaction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Volcaniclastic	Peragic	Sand	Silt	Clay
✓				✓				60	40	0

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition
	Siliclastic Grain		Pelagic Grain				Others
	Minerals		Calcareous Grain				Gypsiferous Grain
	Quartz		Nannofossils				Calcareous Grain
	Feldspars		Foraminifers				Sapropelic Grain
	Micas		Siliceous Grain				Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom	2			Pyrite Grain <i>crystal</i>
	Glauconite		Radiolarians				Opaque Grain
	Clay Minerals		Silicoflagellates				
	Zeolites		Sponge Spicules				
3	Heavy Minerals						
	Pyrite						
	Phospholite						
	Aragonite		Neritic Grain				
	Calcite		Ooid				
	Oolites		Spherical Particles				
	Lithic Grain		Elliptical Particles				
15	Sedimentary Lithic Grain		Bioclast				
	Igneous Lithic Grain		Molluscan				
15	Metamorphic Lithic Grain		Algal				
			Pellet				
			Molluscs				
			Echinoderms				
			Others				
	Volcaniclastic Grain		Intraclast				
	Scoria / Pumice		Carbonate Rock Frag				
	Scoria		Peloid				
	Pumice		Pisolite				
	Volcaniclastic Lithic Grain		Calcareous Grain				
	Pieritic Lithic Grain		Dolomitic Grain				
	Basaltic Lithic Grain		Araginitic Grain				
	Andesitic Lithic Grain		Sideritic Grain				
	Dacitic Lithic Grain						
	Rhyolitic Lithic Grain						
	Crystal Grain						
	Vitric Grain						

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Expedition: 338 Observer: KEM

Site: C002 Hole: H Core: 1 Sect.: 1 Interval: 92

Sediment Name: Sandy siltstone

Smear Slide	Thin Section	Coarse Feaction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
								30	70	0

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition
	Siliclastic Grain		Pelagic Grain		Calcareous Grain		Others
	Minerals		Calcareous Grain		Nannofossils		Gypsiferous Grain
	Quartz		Calcareous Grain		Foraminifers		Calcareous Grain
	Feldspars		Siliceous Grain		Diatom		Sapropelic Grain
	Micas		Neritic Grain		Radiolarians		Mn Nodules/ Crusts
	Ferromagnesian Minerals		Ooid		Silicoflagellates		Pyrite Grain <u>crystals</u>
	Glauconite				Sponge Spicule		Opaque Grain
	Clay Minerals		Neritic Grain				
	Zeolites						
	Heavy Minerals						
	Pyrite						
	Phospholite						
	Aragonite						
	Calcite						
	Oolites						
	Lithic Grain						
	Sedimentary Lithic Grain						
	Igneous Lithic Grain						
	Metamorphic Lithic Grain						
	Volcaniclastic Grain						
	Scoria / Pumice						
	Scoria						
	Pumice						
	Volcaniclastic Lithic Grain						
	Pioritic Lithic Grain						
	Basaltic Lithic Grain						
	Andesitic Lithic Grain						
	Dacitic Lithic Grain						
	Rholitic Lithic Grain						
	Crystal Grain						
	Vitric Grain						

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Expedition: 338 Observer: KUM

Site: C0002 Hole: H Core: 1 Sect.: 1 Interval: 102

Sediment Name: silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Percent Texture		
				Siliciclastic	Volcaniclastic	Chemical Sediment	Sand	Silt	Clay
							0	25	75

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition
	Siliciclastic Grain		Pelagic Grain		Others
	Minerals		Calcareous Grain		Gypsiferous Grain
	Quartz	15	Nannofossils	1	Calcareous Grain
	Feldspars		Foraminifers		Sapropelic Grain
	Micas		Siliceous Grain		Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom		Pyrite Grain
	Glaucinite		Radiolarians		Opaque Grain
55	Clay Minerals		Silicoflagellates		
	Zeolites		Sponge Spicule		
	Heavy Minerals				
	Pyrite				
	Phospholite				
	Aragonite		Neritic Grain		
	Calcite		Ooid		
	Oolites		Spherical Particles		
	Lithic Grain		Elliptical Particles		
	Sedimentary Lithic Grain		Bioclast		
	Igneous Lithic Grain		Molluscan		
	Metamorphic Lithic Grain		Algal		
			Pellet		
			Molluscs		
			Echinoderms		
	Volcaniclastic Grain		Others		
	Scoria / Pumice		Intraclast		
	Scoria		Carbonate Rock Frag		
	Pumice		Peloid		
	Volcaniclastic Lithic Grain		Pisolite		
	Pieritic Lithic Grain		Calcareous Grain		
	Basaltic Lithic Grain		Dolomitic Grain		
	Andesitic Lithic Grain		Araginitic Grain		
	Dacitic Lithic Grain		Sideritic Grain		
	Rhyolitic Lithic Grain				
	Crystal Grain				
	Vitric Grain				

Fill percentage (Total must be 100).

Remarks: Prominent bright lithol. on CT Image - possible dolomite? - Photos

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Expedition: 338 Observer: KUM

Site: C0002 Hole: A Core: 1 Sect.: 1 Interval: 104

Sediment Name: Silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Percent Texture		
				Siliciclastic	Volcaniclastic	Chemical Sediment	Sand	Silt	Clay
✓				✓				25	75

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition
65	Quartz	5	Calcareous Grain				Gypsiferous Grain
	Feldspars		Nannofossils			1	Calcareous Grain
	Micas		Foraminifers				Sapropelic Grain
	Ferromagnesian Minerals		Siliceous Grain				Mn Nodules/ Crusts
	Glauconite		Diatom				Pyrite Grain
	Clay Minerals		Radiolarians				Opaque Grain
	Zeolites		Silicoflagellates				
	Heavy Minerals		Sponge Spicule				
	Pyrite						
	Phospholite						
	Aragonite		Neritic Grain				
	Calcite		Ooid				
	Oolites		Spherical Particles				
	Lithic Grain		Elliptical Particles				
	Sedimentary Lithic Grain		Bioclast				
	Igneous Lithic Grain		Molluscan				
	Metamorphic Lithic Grain		Algal				
			Pellet				
			Molluscs				
			Echinoderms				
			Others				
	Volcaniclastic Grain		Intraclast				
	Scoria / Pumice		Carbonate Rock Frag				
	Scoria		Peloid				
	Pumice		Pisolite				
	Volcaniclastic Lithic Grain		Calcareous Grain				
	Picritic Lithic Grain		Dolomitic Grain				
	Basaltic Lithic Grain		Araginitic Grain				
	Andesitic Lithic Grain		Sideritic Grain				
	Dacitic Lithic Grain						
	Rhyolitic Lithic Grain						
	Crystal Grain						
	Vitric Grain						

Fill percentage (Total must be 100).

Remarks: did not disaggregate, well using std. smear method

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Expedition: 338 Observer: KLM

Site: C0002 Hole: H Core: 1 Sect.: 1 Interval: 129

Sediment Name: Silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture	
				Siliciclastic	Volcaniclastic	Volcaniclastic	Peragic	Sand	Silt
<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				35	65

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliciclastic Minerals	Others		Pelagic Grain	Others		Others	Others
33	Quartz		2	Calcareous Grain		3	Gypsiferous Grain	
	Feldspars			Nannofossils			Calcareous Grain	
	Micas			Foraminifers			Sapropelic Grain	
	Ferromagnesian Minerals			Siliceous Grain		1	Mn Nodules/ Crusts	
60	Glauconite			Diatom			Pyrite Grain <i>crystal</i>	
	Clay Minerals			Radiolarians			Opaque Grain	
	Zeolites			Silicoflagellates				
	Heavy Minerals			Sponge Spicule		1	<i>red-brown OM</i>	
	Pyrite							
	Phospholite							
	Aragonite			Neritic Grain				
	Calcite			Ooid				
	Oolites			Spherical Particles				
	Lithic Grain			Elliptical Particles				
	Sedimentary Lithic Grain			Bioclast				
	Igneous Lithic Grain			Molluscan				
	Metamorphic Lithic Grain			Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
	Volcaniclastic Grain			Intraclast				
	Scoria / Pumice			Carbonate Rock Fragm				
	Scoria			Peloid				
	Pumice			Pisolite				
	Volcaniclastic Lithic Grain			Calcareous Grain				
	Picrotic Lithic Grain			Dolomitic Grain				
	Basaltic Lithic Grain			Araginitic Grain				
	Andesitic Lithic Grain			Sideritic Grain				
	Dacitic Lithic Grain							
	Rholitic Lithic Grain							
	Crystal Grain							
	Vitric Grain							

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Expedition: 338 Observer: KLM

Site: C0002 Hole: A Core: 1 Sect.: 2 Interval: 38

Sediment Name: Sandy siltstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				30	70	

Select one and check.			Select one and check.			Select one and check.			
Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition
	Siliciclastic Grain		Pelagic Grain		Others		Others		Others
	Minerals		Calcareous Grain		Gypsiferous Grain		Calcareous Grain		Calcareous Grain
95	Quartz		Nannofossils		Calcareous Grain		Calcareous Grain		Calcareous Grain
	Feldspars		Foraminifers		Sapropelic Grain		Sapropelic Grain		Sapropelic Grain
	Micas		Siliceous Grain		Mn Nodules/ Crusts	2	Mn Nodules/ Crusts		Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom		Pyrite Grain		Pyrite Grain		Pyrite Grain
	Glaucanite		Radiolarians		Opaque Grain		Opaque Grain		Opaque Grain
	Clay Minerals		Silicoflagellates						
	Zeolites		Sponge Spicules						
2	Heavy Minerals								
	Pyrite								
	Phospholite		Neritic Grain						
	Aragonite		Ooid						
	Calcite								
	Oolites		Spherical Particles						
	Lithic Grain		Elliptical Particles						
1	Sedimentary Lithic Grain		Bioclast						
	Igneous Lithic Grain		Molluscan						
	Metamorphic Lithic Grain		Algal						
			Pellet						
			Molluscs						
			Echinoderms						
			Others						
	Volcaniclastic Grain		Intraclast						
	Scoria / Pumice		Carbonate Rock Frag.						
	Scoria		Peloid						
	Pumice		Pisolite						
	Volcaniclastic Lithic Grain		Calcareous Grain						
	Pteritic Lithic Grain		Dolomitic Grain						
	Basaltic Lithic Grain		Araginitic Grain						
	Andesitic Lithic Grain		Sideritic Grain						
	Dacitic Lithic Grain								
	Rhyolitic Lithic Grain								
	Crystal Grain								
	Vitric Grain								

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Expedition: 338

Observer: KLM

Site: C002 Hole: H Core: ZR Sect.: 1

Interval: 15

Sediment Name: Silty claystone major lithol.

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Netritic	Sand	Silt	Clay
<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				0	25	75

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition
	Siliclastic Grain		Pelagic Grain				
	Minerals		Calcareous Grain				Gypsiferous Grain
30	Quartz	5	Nannofossils				Calcareous Grain
	Feldspars		Foraminifers				Sapropelic Grain
	Micas		Siliceous Grain				Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom				Pyrite Grain
	Glauconite		Radiolarians				Opaque Grain
65	Clay Minerals		Silicoflagellates				
	Zeolites		Sponge Spicule				
R	Heavy Minerals						
	Pyrite						
	Phospholite						
	Aragonite		Netritic Grain				
	Calcite		Ooid				
	Oolites		Spherical Particles				
	Lithic Grain		Elliptical Particles				
	Sedimentary Lithic Grain		Bioclast				
	Igneous Lithic Grain		Molluscan				
	Metamorphic Lithic Grain		Algal				
			Pellet				
			Molluscs				
			Echinoderms				
			Others				
	Volcaniclastic Grain		Intraclast				
	Scoria / Pumice		Carbonate Rock Fragment				
	Scoria		Peloid				
	Pumice		Pisolite				
	Volcaniclastic Lithic Grain		Calcareous Grain				
	Pteritic Lithic Grain		Dolomitic Grain				
	Basaltic Lithic Grain		Araginitic Graing				
	Andesitic Lithic Grain		Sideritic Graing				
	Dacitic Lithic Grain						
	Rhyolitic Lithic Grain						
	Crystal Grain						
	Vitric Grain						

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Expedition: 338

Observer: KLM

Site: C0002 Hole: 14 Core: 2R Sect.: 1

Interval: 28

Sediment Name: claystone

minor

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Chemical Sediment		Percent Texture	
				Siliciclastic	Volcaniclastic	Peragic	Peragic	Neritic	Sand	Silt
<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>					<u>20</u>	<u>80</u>

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition
	Minerals		Calcareous Grain		Gypsiferous Grain		Calcareous Grain
	Quartz	<u>15</u>	Nannofossils		Calcareous Grain		Sapropelic Grain
	Feldspars		Foraminifers		Siliceous Grain		Mn Nodules/ Crusts
<u>10</u>	Micas		Diatom		Pyrite Grain		Pyrite Grain
	Ferromagnesian Minerals		Radioarians		Opaque Grain		Opaque Grain
	Glauconite		Sillicoflagellates				
<u>65</u>	Clay Minerals		Sponge Spicule				
	Zeolites						
	Heavy Minerals						
	Pyrite		Neritic Grain				
	Phospholite		Ooid				
	Aragonite		Spherical Particles				
	Calcite		Elliptical Particles				
	Oolites		Bioclast				
	Lithic Grain		Molluscan				
	Sedimentary Lithic Grain		Algal				
	Igneous Lithic Grain		Pellet				
	Metamorphic Lithic Grain		Molluscs				
			Echinoderms				
	Volcaniclastic Grain		Others				
	Scoria / Pumice		Intraclast				
	Scoria		Carbonate Rock Fragment				
	Pumice		Peloid				
	Volcaniclastic Lithic Grain		Pisolite				
	Pieritic Lithic Grain		Calcareous Grain				
	Basaltic Lithic Grain		Dolomitic Grain				
	Andesitic Lithic Grain		Araginitic Grain				
	Dacitic Lithic Grain		Sideritic Grain				
	Rholitic Lithic Grain						
	Crystal Grain						
<u>2</u>	Vitric Grain						

Fill percentage (Total must be 100).

Remarks: minor molluscs w/in dominant silty claystone

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Expedition: 338 Observer: KLM

Site: C002 Hole: H Core: 2R Sect.: 1 Interval: 44

Sediment Name: silty sandstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
✓				✓				70	30	0

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliciclastic Grain	Minerals		Pelagic Grain	Calcareous Grain		Others	Others
90	Quartz	Feldspars		Calcareous Grain				Calcareous Grain
	Micas	Ferromagnesian Minerals		Nannofossils				Calcareous Grain
	Glauconite			Foraminifers				Sapropelic Grain
	Clay Minerals			Siliceous Grain				Mn Nodules/ Crusts
	Zeolites			Diatom				Pyrite Grain
	Heavy Minerals			Radiolarians		5		Opaque Grain
	Pyrite			Silicoflagellates				
	Phospholite			Sponge Spicule				
	Aragonite							
	Calcite			Neritic Grain				
	Oolites			Ooid				
	Lithic Grain			Spherical Particles				
	Sedimentary Lithic Grain			Elliptical Particles				
	Igneous Lithic Grain			Bioclast				
	Metamorphic Lithic Grain			Molluscan				
				Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
	Volcaniclastic Grain			Intraclast				
	Scoria / Pumice			Carbonate Rock Fragment				
	Scoria			Peloid				
	Pumice			Pisolite				
	Volcaniclastic Lithic Grain			Calcareous Grain				
	Pteritic Lithic Grain			Dolomitic Grain				
	Basaltic Lithic Grain			Araginitic Graing				
	Andesitic Lithic Grain			Sideritic Graing				
	Dacitic Lithic Grain							
	Rhyolitic Lithic Grain							
	Crystal Grain							
	Vitric Grain							

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Expedition: 338

Observer: KLM

Site: C0002

Hole: H

Core: 2R

Interval: 20

Section: 3

Sediment Name: Sandy siltstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Chemical Sediment		Percent Texture	
				Siliciclastic	Volcaniclastic	Peragag	Peragag	Neritic	Sand	Silt
✓				✓					25	75

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliciclastic Grain	Minerals		Pelagic Grain	Calcareous Grain		Others	Others
95		Quartz		Calcareous Grain				Calcareous Grain
		Feldspars	F	Nannofossils				Calcareous Grain
		Micas		Foraminifers				Sapropelic Grain
		Ferromagnesian Minerals		Siliceous Grain				Mn Nodules/ Crusts
		Glaucinite		Diatom				Pyrite Grain
		Clay Minerals		Radiolarians		3		Opaque Grain
		Zeolites		Silicoflagellates				
		Heavy Minerals		Sponge Spicule				
		Pyrite						
		Phospholite						
		Aragonite		Neritic Grain				
		Calcite		Ooid				
		Oolites		Spherical Particles				
		Lithic Grain		Elliptical Particles				
		Sedimentary Lithic Grain		Bioclast				
		Igneous Lithic Grain		Molluscan				
2		Metamorphic Lithic Grain		Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
		Volcaniclastic Grain		Intraclast				
		Scoria / Pumice		Carbonate Rock Fragment				
		Scoria		Peloid				
		Pumice		Pisolite				
		Volcaniclastic Lithic Grain		Calcareous Grain				
		Pieritic Lithic Grain		Dolomitic Grain				
		Basaltic Lithic Grain		Araginitic Graing				
		Andesitic Lithic Grain		Sideritic Graing				
		Dacitic Lithic Grain						
		Rhyolitic Lithic Grain						
		Crystal Grain						
		Vitric Grain						

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Observer: KCM

Expedition: 338

Interval: 70

Site: C0002 Hole: A Core: 2 Sect.: 3

Sediment Name: Silty Sandstone minor lithal

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Chemical Sediment		Percent Texture			
				Siliciclastic	Volcaniclastic	Peragitic	Peragitic	Neritic	Sand	Silt	Clay	
										60	35	5

Select one and check.

Select one and check.

Select one and check.

Percent	Siliclastic Grain	Composition	Percent	Pelagic Grain	Composition	Percent	Others	Composition
	Quartz			Calcareous Grain				Calcareous Grain
	Feldspars			Nannofossils				Sapropelic Grain
	Micas			Foraminifers				Mn Nodules/ Crusts
	Ferromagnesian Minerals			Siliceous Grain		1		Pyrite Grain
	Glauconite			Diatom				Opaque Grain
5	Clay Minerals			Radiolarians				
	Zeolites			Silicoflagellates		10		red-brown OM
2	Heavy Minerals			Sponge Spicule				
	Pyrite							
	Phospholite							
	Aragonite			Neritic Grain				
	Calcite			Ooid				
	Oolites			Spherical Particles				
	Lithic Grain			Elliptical Particles				
	Sedimentary Lithic Grain			Bioclast				
	Igneous Lithic Grain			Molluscan				
2	Metamorphic Lithic Grain			Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
	Volcaniclastic Grain			Intraclast				
	Scoria / Pumice			Carbonate Rock Fragment				
	Scoria			Peloid				
	Pumice			Pisolite				
	Volcaniclastic Lithic Grain			Calcareous Grain				
	Picritic Lithic Grain			Dolomitic Grain				
	Basaltic Lithic Grain			Araginitic Graing				
	Andesitic Lithic Grain			Sideritic Graing				
	Dacitic Lithic Grain							
	Rhyolitic Lithic Grain							
	Crystal Grain							
	Vitric Grain							

Fill percentage (Total must be 100).

Remarks: dk gray laminae - conc. of Terrestrial OM

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Expedition: 338

Observer: KLM

Site: 0002 Hole: H Core: 2R Sect.: 3 Interval: 80

Sediment Name: silty claystone

Smear Slide	Thin Section	Coarse Feaction	Grain Mount
<input checked="" type="checkbox"/>			

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
<input checked="" type="checkbox"/>			

Percent Texture	
Sand	Clay
<u>2</u>	<u>70</u>

Select one and check.

Select one and check.

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
<u>30</u>	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
<u>55</u>	Glauconite
	Clay Minerals
	Zeolites
<u>1</u>	Heavy Minerals
	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picrotic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rhyolitic Lithic Grain
	Crystal Grain
	Vitric Grain

Percent	Composition
	Pelagic Grain
<u>10</u>	Calcareous Grain
	Nannofossils
	Foraminifers
	Siliceous Grain
	Diatom
	Radiolarians
	Silicoflagellates
	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragment
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
<u>2</u>	Calcareous Grain
	Sapropelic Grain
<u>1</u>	Mn Nodules/ Crusts
	Pyrite Grain crystals
	Opaque Grain
<u>1</u>	red-brown OM

Fill percentage (Total must be 100).

Remarks: discards & other well preserved nannos

Sediment Smear Slide / Thin Section Description Sheet

Date 12/11/12

Expedition: 338 Observer: KUM

Site: C0002 Hole: H Core: 2 Sect.: 3 Interval: 124

Sediment Name: Silty chytstone (dominant lithol)

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				3	22	75

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliciclastic Grain	Minerals		Pelagic Grain	Calcareous Grain		Others	Others
27		Quartz	10	Calcareous Grain				Calcareous Grain
		Feldspars		Nannofossils				Calcareous Grain
		Micas		Foraminifers				Sapropelic Grain
		Ferromagnesian Minerals		Siliceous Grain		2		Mn Nodules/ Crusts
		Glaucinite		Diatom				Pyrite Grain <i>crystal</i>
60		Clay Minerals	F	Radiolarians				Opaque Grain
		Zeolites		Silicoflagellates				
		Heavy Minerals		Sponge Spicule				
		Pyrite						
		Phospholite						
		Aragonite		Neritic Grain				
		Calcite		Ooid				
		Oolites		Spherical Particles				
		Lithic Grain		Elliptical Particles				
		Sedimentary Lithic Grain		Bioclast				
		Igneous Lithic Grain		Molluscan				
		Metamorphic Lithic Grain		Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
		Volcaniclastic Grain		Intraclast				
		Scoria / Pumice		Carbonate Rock Fragment				
		Scoria		Peloid				
		Pumice		Pisolite				
		Volcaniclastic Lithic Grain		Calcareous Grain				
		Pieritic Lithic Grain		Dolomitic Grain				
		Basaltic Lithic Grain		Araginitic Graing				
		Andesitic Lithic Grain		Sideritic Graing				
		Dacitic Lithic Grain						
		Rhollitic Lithic Grain						
		Crystal Grain						
		Vitric Grain						

Fill percentage (Total must be 100).

Remarks: did not disaggregate very well; nannos well-preserved